TAFT•PEIRCE

ENGINEERING DATA

PRODUCTION/INSPECTION TOOL DIV.
BULLETIN NO. 9151
JUNE 1, 1971

New Style 9151 Hardened Steel Precision Tri-Blocks (1″ x 2″ x 3″)

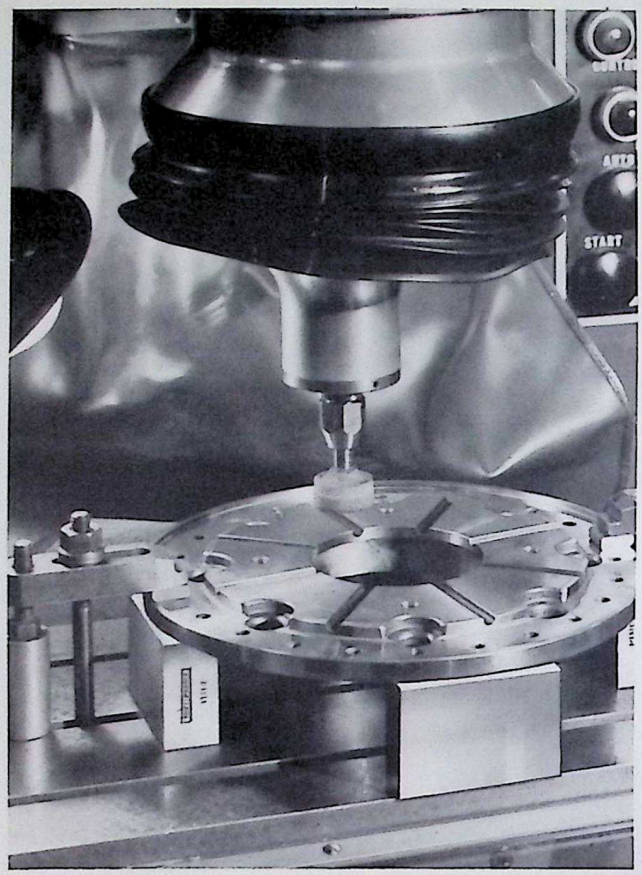
These new hardened steel Tri-Blocks are tools of exceptionally high precision. They offer the ultimate in both quality and accuracy.

The extremely versatile 1″ x 2″ x 3″ size of Taft-Peirce Tri-Blocks save so much time and money that the modest initial investment is often recovered in a matter of days.

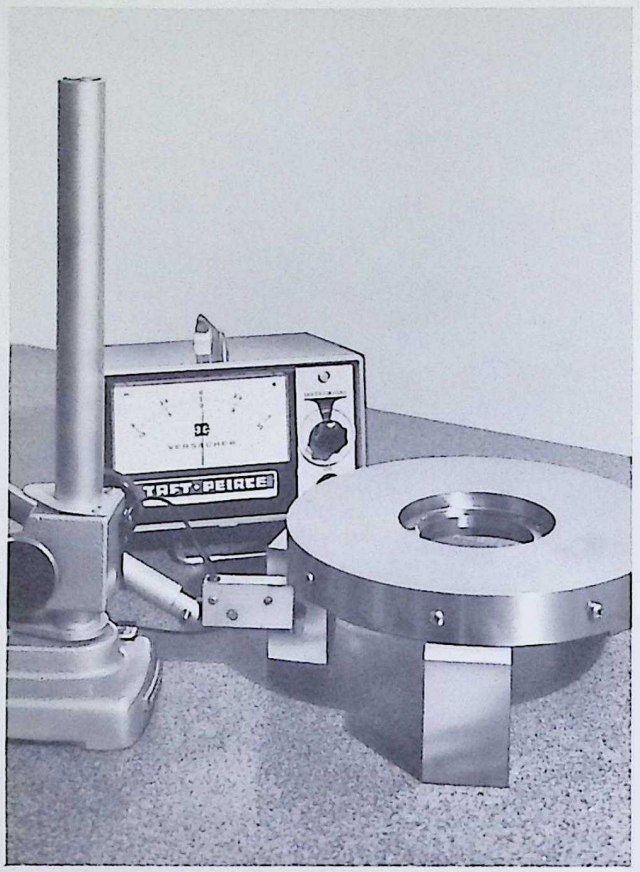
Typical uses include surface plate setups for layout and inspection jobs and accurate positioning of work on jig borers, jig grinders, drill presses, milling machines, surface grinders, and other machine tools. These Tri-Blocks are also extensively used for sine angle applications and with optical comparators.

Style 9151 Precision Tri-Blocks are made of the finest quality alloy steel, scientifically heat treated for maximum stability and wear life. They are precision ground on all six sides within the limits of size and parallelism specified in the accuracy table.

Unlike many "1-2-3" blocks now on the market, these Taft-Peirce Precision Tri-Blocks are so accurate that the maximum error that can exist between any two is .0001″ on "Inspection" grades and .0002″ on "Toolroom" grades. Because of these unusually close tolerances, where "matched" sets are required, you need only order "Inspection" grade in whatever quantity is desired to make up a particular set.



Precision Tri-Blocks being used for precise staging of work piece for jig grinding operation.



Standard set-up for flatness check of lapping plate using three "Inspection" grade **Precision Tri-Blocks,** equally spaced.

SPECIFICATIONS

Size	1″ x 2″ x 3″
Construction	Solid (similar to Taft-Peirce Style 9150 Parallels)
Material	Hardened Steel
Hardness	Rockwell "C" 63-65
Finish	Precision ground
RMS	Uniform 8 micro-inch or better

Accuracy — Toolroom grade, Style 9151-1

A. All surfaces square within .0002″
B. All surfaces parallel within .0002″
C. Sizes held to within ±.0001″

Accuracy — Inspection grade, Style 9151-2

A. All surfaces square within .0002″
B. All surfaces parallel within .0001″
C. Size held to within $^{+.0001''}_{-.0000''}$